

Serial No. 10/035,628



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION
Inventor C. R. Doerr
Case 58
Serial No. 10/035,628
Filing Date Nov. 1, 2001
Examiner Ellen E. Kim
Title **Integrated Wavelength Router**
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Group Art Unit 2874

SIR:

Amendment

In response to the Office action of June 16, 2003 please amend the claims as follows;

1. (Currently Amended) An integrated wavelength router comprising a demultiplexer arranged to couple individual wavelengths in an input optical WDM signal to N respective demultiplexer outputs, a binary tree including at least first and second stages of interconnected 1×2 switches, each of the switches in said first stage arranged to couple one of said N outputs of said demultiplexer to inputs of at least two switches in said second stage, and a plurality of K multiplexers arranged to combine the outputs from a plurality of switches in said second stage to form K outputs of said router, and the invention defined in claim 1 further comprising a plurality of shutters disposed before the inputs of said multiplexers to block undesired crosstalk signals into said multiplexers.

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